

WHAT IS CLAIMED IS:

1        1. A self-contained business transaction capsule to conduct a wireless transaction,  
2 comprising:  
3              data regarding the wireless transaction; and  
4              transaction logic to complete the wireless transaction, wherein the self-contained  
5 business transaction capsule is adapted to be broadcasted to and stored on a portable  
6 electronic device.

1        2. The self-contained business transaction capsule according to claim 1, wherein the  
2 data regarding the wireless transaction includes at least one of a price, a transaction description,  
3 and an image.

1        3. The self-contained business transaction capsule according to claim 1, wherein the  
2 transaction logic includes at least one of billing and shipping information, order routing  
3 information, order status information, shipping status information, and transaction rules.

1        4. The self-contained business transaction capsule according to claim 1, wherein the  
2 transaction logic is adapted to transmit completed transaction data from the portable electronic  
3 device to a transaction system.

1        5. The self-contained business transaction capsule according to claim 4, wherein the  
2 completed transaction data is transmitted to the transaction system via at least one of: direct

3 dialing with a wireless telephone protocol, utilizing Short Messaging Service (SMS), and via  
4 Transmission Control Protocol/Internet Protocol (TCP/IP).

1           6. The self-contained business transaction capsule according to claim 1, wherein the  
2 portable electronic device is a mobile wireless-enabled device.

1           7. The self-contained business transaction capsule according to claim 1, wherein the  
2 portable electronic device utilizes a Bluetooth wireless networking protocol.

1           8. The self-contained business transaction capsule according to claim 1, wherein the  
2 self-contained business transaction capsule is adapted to be readily transmitted from the portable  
3 electronic device to another portable electronic device.

1           9. The self-contained business transaction capsule according to claim 1, wherein the  
2 self-contained business transaction capsule is broadcasted to the portable electronic device by at  
3 least one of a radio wave, a television signal, a cellular telephony signal, a satellite signal, and an  
4 infrared signal.

1           10. The self-contained business transaction capsule according to claim 1, wherein the  
2 portable electronic device includes a container for storing self-contained business transaction  
3 capsules.

1        11. The self-contained business transaction capsule according to claim 1, wherein the  
2        self-contained business transaction capsule communicates to a plurality of systems to complete  
3        the wireless transaction.

1        12. The self-contained business transaction capsule according to claim 1, wherein the  
2        data regarding the wireless transaction includes at least one of a price, a transaction description,  
3        and an image, and the transaction logic includes at least one of billing and shipping information,  
4        order routing information, order status information, shipping status information, and transaction  
5        rules.

1        13. A mobile commerce system, comprising:  
2              a input transformer to create a self-contained business transaction capsule,  
3              wherein the self-contained business transaction capsule includes data regarding a wireless  
4              transaction, transaction logic to complete the wireless transaction, and the self-contained  
5              business transaction capsule is adapted to be broadcasted to and stored on a portable  
6              electronic device; and  
7              an output transformer to broadcast the self-contained business transaction capsule  
8              to the portable electronic device.

1        14. The mobile commerce system according to claim 13, further including a  
2        transactor to handle all transaction requirements with the portable electronic device to complete  
3        the wireless transaction.

1        15. The mobile commerce system according to claim 14, wherein the transactor  
2 performs at least one of payment processing, order routing, ticket redemption, device  
3 authentication, user authentication, invalidation of lost self-contained business transaction  
4 capsules, and delivery of contents to complete the wireless transaction with the portable  
5 electronic device.

1        16. The mobile commerce system according to claim 13, wherein the input  
2 transformer and the output transformer reside in a host computer system.

1        17. The mobile commerce system according to claim 13, wherein the input  
2 transformer, the output transformer, and the transactor reside in a host computer system.

1        18. The mobile commerce system according to claim 13, wherein the input  
2 transformer creates the self-contained business transaction capsule based on data manually  
3 entered by a user.

1        19. The mobile commerce system according to claim 13, wherein the input  
2 transformer automatically creates the self-contained business transaction capsule by analyzing  
3 markup tags extracted from a data source.

1        20. The mobile commerce system according to claim 13, wherein the output  
2 transformer is selected from the group consisting of a wireless application protocol (WAP)  
3 transformer, a Palm operating system (OS) transformer, and a banner advertisement transformer.

1        21. The mobile commerce system according to claim 13, wherein the data regarding  
2 the wireless transaction includes at least one of a price, a transaction description, and an image.

1        22. The mobile commerce system according to claim 13, wherein the transaction  
2 logic includes at least one of billing and shipping information, order routing information, order  
3 status information, shipping status information, and transaction rules.

1        23. The mobile commerce system according to claim 13, wherein the transaction  
2 logic is adapted to transmit completed transaction data from the portable electronic device to a  
3 transaction system.

1        24. The mobile commerce system according to claim 23, wherein the completed  
2 transaction data is transmitted to the transaction system via at least one of: direct dialing with a  
3 wireless telephone protocol, utilizing Short Messaging Service (SMS), and via Transmission  
4 Control Protocol/Internet Protocol (TCP/IP).

1        25. The mobile commerce system according to claim 13, wherein the portable  
2 electronic device is a mobile wireless-enabled device.

1        26. The mobile commerce system according to claim 13, wherein the portable  
2 electronic device utilizes a Bluetooth wireless networking protocol.

1        27. The mobile commerce system according to claim 13, wherein the self-contained  
2 business transaction capsule is adapted to be readily transmitted from the portable electronic  
3 device to another portable electronic device.

1        28. The mobile commerce system according to claim 13, wherein the self-contained  
2 business transaction capsule is broadcasted to the portable electronic device by at least one of a  
3 radio wave, a television signal, a cellular telephony signal, a satellite signal, and an infrared  
4 signal.

1        29. The mobile commerce system according to claim 13, wherein the portable  
2 electronic device includes a container for storing self-contained business transaction capsules.

1        30. The mobile commerce system according to claim 13, wherein the self-contained  
2 business transaction capsule communicates to a plurality of systems to complete the wireless  
3 transaction.

1        31. The mobile commerce system according to claim 13, wherein the data regarding  
2 the wireless transaction includes at least one of a price, a transaction description, and an image,  
3 and the transaction logic includes at least one of billing and shipping information, order routing  
4 information, order status information, shipping status information, and transaction rules.

1        32. A portable electronic device adapted to conduct a wireless transaction,  
2 comprising:

3           a data storage medium; and  
4           machine-readable code, stored on the data storage medium, the machine-readable  
5           code including,  
6                data regarding the wireless transaction, and  
7                transaction logic to complete the wireless transaction, wherein the  
8            machine-readable code is broadcasted to the portable electronic device to be  
9            stored on the data storage medium.

1           33.   The portable electronic device according to claim 32, wherein the data regarding  
2    the wireless transaction includes at least one of a price, a transaction description, and an image.

1           34.   The portable electronic device according to claim 32, wherein the transaction  
2    logic includes at least one of billing and shipping information, order routing information, order  
3    status information, shipping status information, and transaction rules.

1           35.   The portable electronic device according to claim 32, wherein the transaction  
2    logic is adapted to transmit completed transaction data from the portable electronic device to a  
3    transaction system.

1           36.   The portable electronic device according to claim 35, wherein the completed  
2    transaction data is transmitted to the transaction system via at least one of: direct dialing with a  
3    wireless telephone protocol, utilizing Short Messaging Service (SMS), and via Transmission  
4    Control Protocol/Internet Protocol (TCP/IP).

1        37.    The portable electronic device according to claim 32, wherein the portable  
2    electronic device is a mobile wireless-enabled device.

1        38.    The portable electronic device according to claim 32, wherein the portable  
2    electronic device utilizes a Bluetooth wireless networking protocol.

1        39.    The portable electronic device according to claim 32, wherein the machine-  
2    readable code is adapted to be readily transmitted from the portable electronic device to another  
3    portable electronic device.

1        40.    The portable electronic device according to claim 32, wherein the machine-  
2    readable code is broadcasted to the portable electronic device by at least one of a radio wave, a  
3    television signal, a cellular telephony signal, a satellite signal, and an infrared signal.

1        41.    The portable electronic device according to claim 32, wherein the portable  
2    electronic device includes a container for storing the machine readable code.

1        42.    The portable electronic device according to claim 32, wherein the machine-  
2    readable code communicates to a plurality of systems to complete the wireless transaction.

1        43.    The portable electronic device according to claim 32, further including a tuner  
2    adapted to tune into and receive a particular category of self-contained business transaction

3 capsule identifications being broadcasted in order to receive self-contained business transaction  
4 capsules of the particular category.

1           44.     The portable electronic device according to claim 32, wherein the data regarding  
2 the wireless transaction includes at least one of a price, a transaction description, and an image,  
3 and the transaction logic includes at least one of billing and shipping information, order routing  
4 information, order status information, shipping status information, and transaction rules.

1           45.     A method of providing a self-contained business transaction capsule to conduct a  
2 wireless transaction, the method comprising:

3                 providing data regarding the wireless transaction;  
4                 providing transaction logic to complete the wireless transaction;  
5                 packaging the data regarding the wireless transaction and the transaction logic to  
6 complete the wireless transaction into the self-contained business transaction capsule; and  
7                 broadcasting the self-contained business transaction capsule to at least one  
8 portable electronic device, wherein the self-contained business transaction capsule is  
9 adapted to be stored on the portable electronic device.

1           46.     The method according to claim 45, further including entering manually the data  
2 regarding the wireless transaction by a user.

1           47.     The method according to claim 45, further including:  
2                 extracting markup tags from a data source; and

3               analyzing the markup tags to determine the data regarding the wireless  
4               transaction.

1               48.       The method according to claim 45, further including transmitting completed  
2               transaction data from the portable electronic device to a transaction system.

1               49.       The method according to claim 48, wherein the completed transaction data is  
2               transmitted to the transaction system via at least one of: direct dialing with a wireless telephone  
3               protocol, utilizing Short Messaging Service (SMS), and via Transmission Control  
4               Protocol/Internet Protocol (TCP/IP).

1               50.       The method according to claim 45, further including transmitting the self-  
2               contained business transaction capsule from the portable electronic device to another portable  
3               electronic device.

1               51.       The method according to claim 45, wherein the data regarding the wireless  
2               transaction includes at least one of a price, a transaction description, and an image.

1               52.       The method according to claim 45, wherein the transaction logic includes at least  
2               one of billing and shipping information, order routing information, order status information,  
3               shipping status information, and transaction rules.

1       53.   The method according to claim 45, wherein the portable electronic device is a  
2   mobile wireless-enabled device.

1       54.   The method according to claim 45, wherein the portable electronic device utilizes  
2   a Bluetooth wireless networking protocol.

1       55.   The method according to claim 45, wherein the self-contained business  
2   transaction capsule is broadcasted to the portable electronic device by at least one of a radio  
3   wave, a television signal, a cellular telephony signal, a satellite signal, and an infrared signal.

1       56.   The method according to claim 45, wherein the portable electronic device  
2   includes a container for storing self-contained business transaction capsules.

1       57.   The method according to claim 45, further including communicating to a plurality  
2   of systems to complete the wireless transaction.

1       58.   The method according to claim 45, wherein the data regarding the wireless  
2   transaction includes at least one of a price, a transaction description, and an image, and the  
3   transaction logic includes at least one of billing and shipping information, order routing  
4   information, order status information, shipping status information, and transaction rules.

1       59.   A self-contained business transaction capsule to conduct a wireless transaction,  
2   comprising:

3           data regarding the wireless transaction;  
4           device logic to facilitate interaction with a portable electronic device; and  
5           mobile commerce system logic to facilitate interaction with a mobile commerce  
6           system to complete the wireless transaction, wherein the self-contained business  
7           transaction capsule is adapted to be broadcasted to and stored on the portable electronic  
8           device.

1       60.     The self-contained business transaction capsule according to claim 59, wherein  
2     the data regarding the wireless transaction includes at least one of a price, a transaction  
3     description, and an image.

1       61.     The self-contained business transaction capsule according to claim 59, wherein  
2     the mobile commerce system logic includes at least one of billing and shipping information,  
3     order routing information, order status information, shipping status information, and transaction  
4     rules.

1       62.     The self-contained business transaction capsule according to claim 59, wherein  
2     the mobile commerce system logic is adapted to transmit completed transaction data from the  
3     portable electronic device to a mobile commerce system.

1       63.     The self-contained transaction capsule according to claim 62, wherein the  
2     completed transaction data is transmitted to the transaction system via at least one of: direct

3 dialing with a wireless telephone protocol, utilizing Short Messaging Service (SMS), and via  
4 Transmission Control Protocol/Internet Protocol (TCP/IP).

1 64. The self-contained business transaction capsule according to claim 59, wherein  
2 the portable electronic device is a mobile wireless-enabled device.

1 65. The self-contained business transaction capsule according to claim 59, wherein  
2 the portable electronic device utilizes a Bluetooth wireless networking protocol.

1 66. The self-contained business transaction capsule according to claim 59, wherein  
2 the self-contained business transaction capsule is adapted to be readily transmitted from the  
3 portable electronic device to another portable electronic device.

1 67. The self-contained business transaction capsule according to claim 59, wherein  
2 the self-contained business transaction capsule is broadcasted to the portable electronic device by  
3 at least one of a radio wave, a television signal, a cellular telephony signal, a satellite signal, and  
4 an infrared signal.

1 68. The self-contained business transaction capsule according to claim 59, wherein  
2 the portable electronic device includes a container for storing self-contained business transaction  
3 capsules.

1        69. The self-contained business transaction capsule according to claim 59, wherein  
2        the self-contained business transaction capsule communicates to a plurality of systems to  
3        complete the wireless transaction.

1        70. The self-contained business transaction capsule according to claim 59, wherein  
2        the data regarding the wireless transaction includes at least one of a price, a transaction  
3        description, and an image, and the transaction logic includes at least one of billing and shipping  
4        information, order routing information, order status information, shipping status information, and  
5        transaction rules.